

SMD Power Inductor

CD252010ME/DS



特性

- Dust core construction
- Low profile Resin-shielded
- L × W × H: 2.7 × 2.2 × 1.0mm Max.
- Product weight: 0.025g(Ref.)
- Moisture Sensitivity Level: 1



環境データ

- Operating temperature range: -40°C ~ 125°C (Including coil self temperature rise)

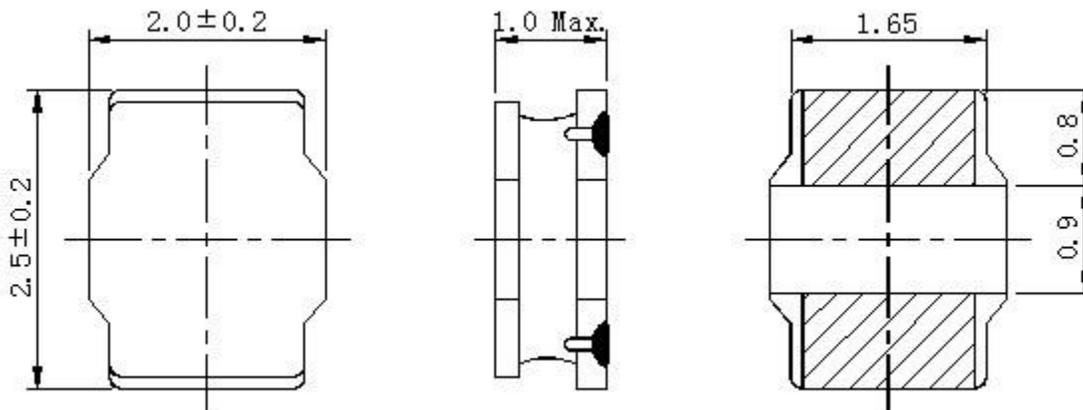
梱包

- Carrier tape and reel packaging
- 2000pcs per reel

用途

- Smartphone, notebooks, desktop computers, servers, blue-ray disc recorders, set top box, portable gaming devices, personal navigation systems, personal multimedia devices, high current POL converters, low profile, high current power supplies, battery powered devices, DC/DC converters in distributed power systems

外形寸法 - [mm]

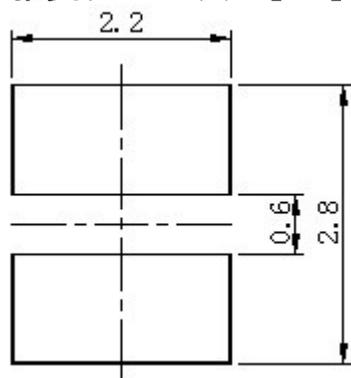


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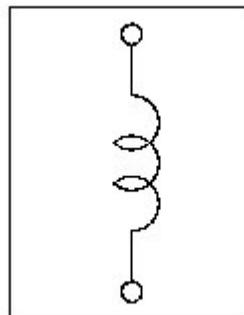
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推奨ランド寸法 - [mm]



結線図





電気的特性

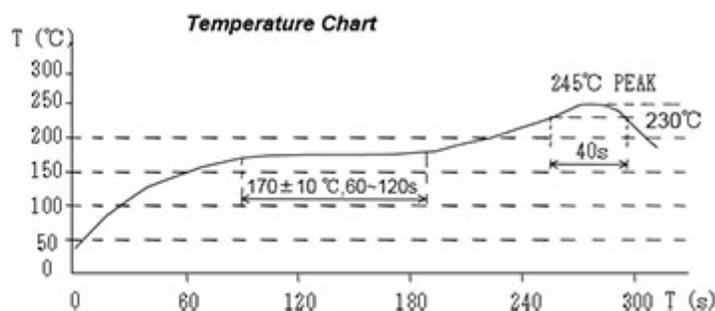
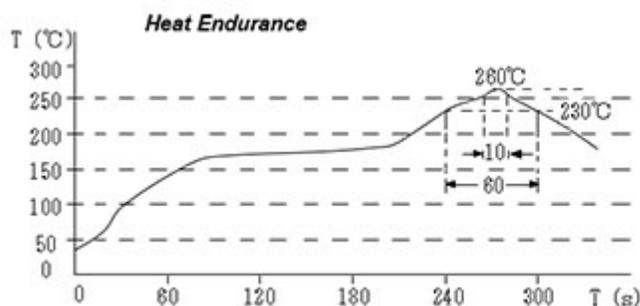
品名	インダクタンス範囲 (μH) ※1	D.C.R. ($\text{m}\Omega$) 20°C Max.(Typ.)	直流重畳電流 (A) Max.(Typ.) ※2	温度上昇電流 (A) Max.(Typ.) ※3
CD252010MEDS-R24NC	0.24 \pm 30%	24.00 (20.00)	6.00 (7.00)	(4.00)
CD252010MEDS-R33NC	0.33 \pm 30%	30.60 (25.50)	5.60 (6.60)	(3.40)
CD252010MEDS-R47NC	0.47 \pm 30%	37.80 (31.50)	4.70 (5.50)	(3.10)
CD252010MEDS-R68NC	0.68 \pm 30%	46.20 (38.50)	3.70 (4.30)	(2.70)
CD252010MEDS-1R0MC	1.00 \pm 20%	62.40 (52.00)	3.00 (3.50)	(2.40)
CD252010MEDS-1R5MC	1.50 \pm 20%	99.60 (83.00)	2.60 (3.00)	(1.90)
CD252010MEDS-2R2MC	2.20 \pm 20%	142 (118)	2.40 (2.80)	(1.60)
CD252010MEDS-3R3MC	3.30 \pm 20%	204 (170)	1.70 (2.00)	(1.35)
CD252010MEDS-4R7MC	4.70 \pm 20%	276 (230)	1.40 (1.70)	(1.15)
CD252010MEDS-6R8MC	6.80 \pm 20%	432 (360)	1.20 (1.40)	(0.90)
CD252010MEDS-100MC	10.00 \pm 20%	540 (450)	1.05 (1.25)	(0.80)

※1 Measuring frequency Inductance at 1MHz, 0.1V.

※2 Saturation current: The actual value of DC current when the inductance is over 70% of the initial value.

※3 Temperature rise current: The value of DC current when the coil temperature rise is $\Delta T=40^\circ\text{C}$.

はんだリフロー条件



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直流重畳電流・温度上昇電流グラフ

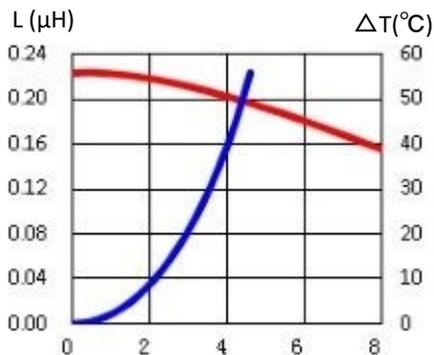
— L (20°C)

— ΔT

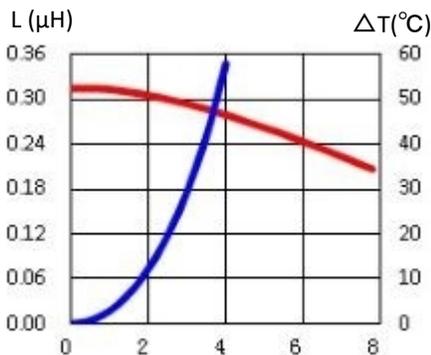
1. CD252010MEDS-R24NC

2. CD252010MEDS-R33NC

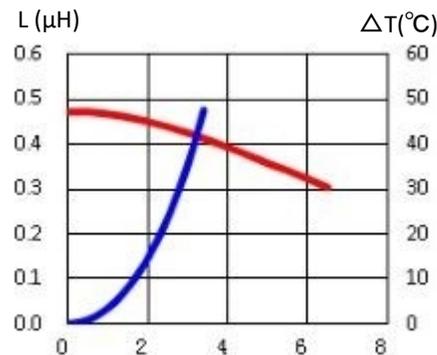
3. CD252010MEDS-R47NC



DC(A)



DC(A)

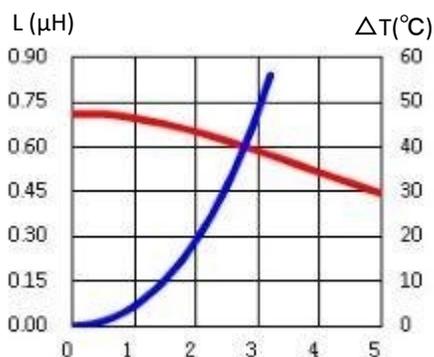


DC(A)

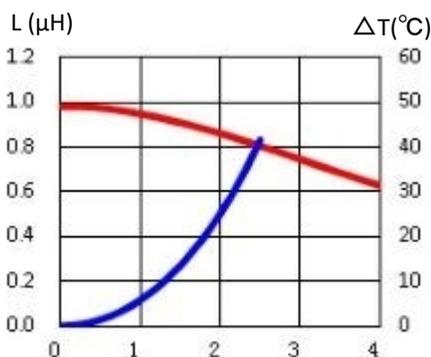
4. CD252010MEDS-R68NC

5. CD252010MEDS-1R0MC

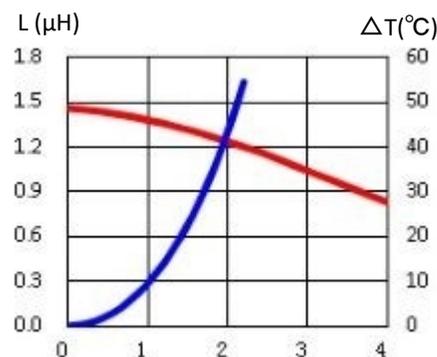
6. CD252010MEDS-1R5MC



DC(A)



DC(A)

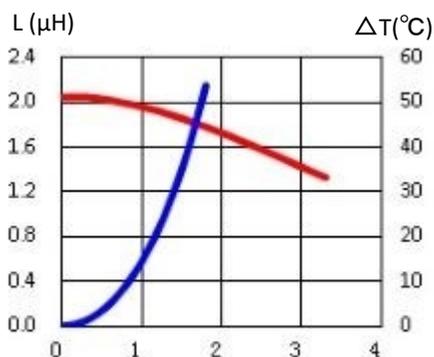


DC(A)

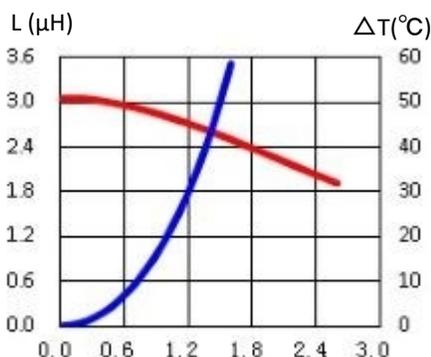
7. CD252010MEDS-2R2MC

8. CD252010MEDS-3R3MC

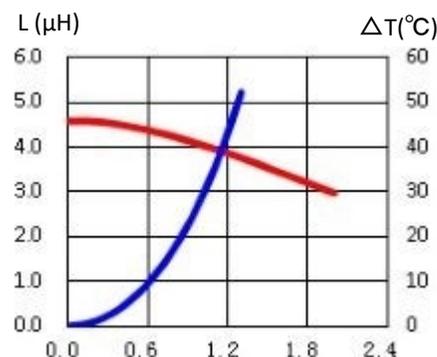
9. CD252010MEDS-4R7MC



DC(A)



DC(A)



DC(A)

備考:本仕様書は、製品の改善等により記載内容を予告なく変更することがありますのでご了承ください。また、ご注文の際のお問い合わせは、最寄りの地域営業へご連絡ください。

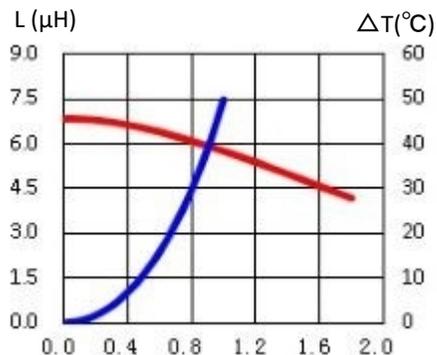
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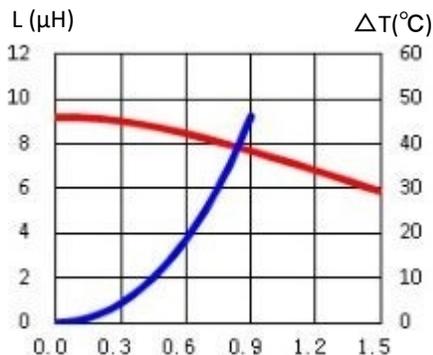


10. CD252010MEDS-6R8MC

11. CD252010MEDS-100MC



DC(A)



DC(A)



営業所情報のために、当社のウェブサイトを訪問する [ここをクリック](#) してください。